Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1.   (Currently Amended) A method comprising:

~~recovering location information of a subscriber in a mobile network;~~

~~forwarding~~ receiving, at a Serving-Call State Control Function (S-CSCF), a registration request from ~~the~~ a subscriber in a mobile network, wherein the registration request comprises ~~to a Serving-Call State Control Function (S-CSCF) including the subscriber's~~ a Transport Address (TA) of the subscriber ~~which is a current Care-of-Address of the subscriber~~;

~~forwarding a location update of the subscriber in the mobile network from the~~ ~~S-CSCF~~ providing the TA and an address of the S-CSCF to a Home Subscription Server (HSS) for storage at the HSS; and ~~including the subscriber's TA and an address of the S-CSCF; and~~

~~storing data regarding the location update including the subscriber's TA in the~~ ~~HSS so as to be protected against loss of the location information of the subscriber in the mobile~~ ~~network.~~

receiving the TA from the HSS in response to a loss of the TA by the S-CSCF such that the TA is restored at the S-CSCF.

2.   (Cancelled)

3.   (Currently Amended) The method of claim 1, wherein ~~storing data in the HSS~~ ~~comprises storing data~~ the TA is stored in a non-volatile memory ~~in~~ of the HSS.

4.   (Currently Amended) The method of claim 3, wherein ~~storing data in a~~ the non-volatile memory ~~in the HSS~~ comprises ~~storing data in~~ a hard disk drive.

5.   (Currently Amended) A method comprising:

~~recovering location information of a subscriber in a mobile network;~~

~~forwarding~~ receiving, at a Serving-Call State Control Function (S-CSCF), a registration request from ~~the~~ a subscriber, wherein the registration request comprises ~~to a Serving-Call State Control Function (S-CSCF) including the subscriber's~~ a Transport Address (TA)~~; which is~~ , and further wherein the TA comprises a ~~current~~ Care of Address of the subscriber;

~~forwarding a location update of the subscriber in the mobile network from the S-CSCF to a Home Subscription Server (HSS) including the subscriber's TA; and~~

storing ~~data regarding~~ the ~~location update including the subscriber's~~ the TA in a non-volatile memory of the S-CSCF; and ~~so as to be protected against loss of the location information of the subscriber in the mobile network.~~

restoring the TA to the S-CSCF from the non-volatile memory in response to a loss of the TA by the S-CSCF.

6.   (Cancelled)

7.   (Currently Amended) The method of claim [[6]] 5, wherein ~~storing data in a~~ the non-volatile memory ~~in the S-CSCF~~ comprises ~~storing data in~~ a hard disk drive.

8.   (Currently Amended) A computer-readable medium having computer-readable instructions stored thereon that, upon execution by a processor, cause the processor to recover location information, the instructions configured to: ~~program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a method of recovering location information of a subscriber in a mobile network, the method comprising:~~

~~forwarding~~ receive, at a Serving-Call State Control Function (S-CSCF), a registration request from ~~the~~ a subscriber ~~to a Serving-Call State Control Function (S-CSCF),~~ wherein the registration request comprises ~~including the subscriber's~~ a Transport Address (TA) ~~which is a current Care of Address~~ of the subscriber;

forwarding ~~the~~ the TA of the subscriber and an address of the S-CSCF ~~a location update of the subscriber in the mobile network~~ from the S-CSCF to ~~an~~ a Home Subscription Server (HSS) ~~including the subscriber's TA and an address of the S-CSCF~~ such that the TA and the address of the S-CSCF are stored at the HSS; and

receive, from the TSS, the TA at the S-CSCF in response to a loss of the TA by the S-CSCF.

~~storing data regarding the location update including the subscriber's TA in the HSS so as to be protected against loss of the location information of the subscriber in the mobile network.~~

9.   (Cancelled)

10.   (Currently Amended) The ~~program storage device~~ computer-readable medium of claim 8, wherein ~~storing data in the HSS comprises storing data~~ the TA and the address of the S-CSCF are stored in a non-volatile memory ~~in~~ of the HSS.

11.   (Currently Amended) The ~~program storage device~~ computer-readable medium of claim 10, wherein ~~storing data in a~~ the non-volatile memory ~~in the HSS~~ comprises ~~storing data in~~ a hard disk drive.

12.   (Currently Amended) A computer-readable medium having computer-readable instructions stored thereon that, upon execution by a processor, cause the processor to recover location information, the instructions configured to: ~~program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a method of recovering location information of a subscriber in a mobile network, the method comprising:~~

~~forwarding~~ receive, at a Serving-Call State Control Function (S-CSCF), a registration request from ~~the~~ a subscriber, wherein the registration request comprises a ~~to a Serving-Call State Control Function (S-CSCF) including the subscriber's~~ Transport Address (TA) ~~which is a current Care of Address~~ of the subscriber;

~~forwarding a location update of the subscriber in the mobile network from the S-CSCF to a Home Subscription Server (HSS) including the subscriber's TA; and~~

store the TA in a non-volatile memory at the S-CSCF; and ~~storing data regarding the location update including the subscriber's TA in the S-CSCF so as to be protected against loss of the location information of the subscriber in the mobile network.~~

restore the TA to the S-CSCF from the non-volatile memory in response to a loss of the TA by the S-CSCF.

13.   (Cancelled)

14.   (Currently Amended) The ~~program storage device~~ computer-readable medium of claim 12 ~~13~~, wherein ~~storing data in a~~ the non-volatile memory ~~in the S-CSCF~~ comprises ~~storing data in~~ a hard disk drive.

15.   (Withdrawn) A method comprising:

recovering location information of a subscriber in a mobile network;

upon a Serving-Call State Control Function (S-CSCF) receiving a call setup request for the subscriber from an Interrogating-Call State Control Function (I-CSCF), the S-CSCF forwards a route request to a User Mobility Server (UMS) and receives a home address of from the UMS;

forwarding the call setup request from the S-CSCF to a home agent at the home address of the subscriber;

forwarding the call setup request from the home agent to the subscriber; and

forwarding an address update from the subscriber to the S-CSCF.

16.   (Withdrawn) The method of claim 15, wherein forwarding the request to the UMS comprises forwarding an indication to the UMS that the S-CSCF fails to have a Care Of Address of the subscriber.

17.   (Withdrawn) The method of claim 15, wherein forwarding the call setup request from the home agent to the subscriber comprises forwarding the call setup request to a Care Of Address of the subscriber.

18.   (Withdrawn) The method of claim 16, wherein forwarding the call setup request from the home agent to the subscriber comprises forwarding the call setup request to a Care Of Address of the subscriber.

19.   (Withdrawn) A method comprising:

recovering location information of a subscriber in a mobile network;

upon an Interrogating-Call State Control Function (I-CSCF) receiving a call setup request for the subscriber, the I-CSCF forwards a route request to a User Mobility Server (UMS) and receives a home address of the subscriber from the UMS;

forwarding the call setup request from the I-CSCF to a home agent at the home address of the subscriber;

forwarding the call setup request from the home agent to the subscriber; and

forwarding an address update from the subscriber to the I-CSCF.

20.   (Withdrawn) The method of claim 19, wherein forwarding the call setup request from the home agent to the subscriber comprises forwarding the call setup request to a Care Of Address of the subscriber.

21.   (Withdrawn) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a method of recovering location information of a subscriber and a mobile network, the method comprising:

upon an Serving-Call State Control Function (S-CSCF) receiving a call setup request for the subscriber from an Interrogating-Call State Control Function (I-CSCF), the S-CSCF forwards a route request to a User Mobility Server (UMS) and receives a home address of the subscriber from the UMS;

forwarding the call setup request from the S-CSCF to a home agent at the home address of the subscriber;

forwarding the call setup request from the home agent to the subscriber;

and forwarding an address update from the subscriber to the S-CSCF.

22.   (Withdrawn) The program storage device of claim 21, wherein forwarding the request to the UMS comprises forwarding an indication to the UMS that the S-CSCF fails to have a Care Of Address of the subscriber.

23.   (Withdrawn) The program storage device of claim 21, wherein forwarding the call setup request from the home agent to the subscriber comprises forwarding the call setup request to a Care Of Address of the subscriber.

24.   (Withdrawn) The program storage device of claim 22, wherein forwarding the call setup request from the home agent to the subscriber comprises forwarding the call setup request to a Care Of Address of the subscriber.

25.   (Withdrawn) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a method of recovering location information of a subscriber in a mobile network, the method comprising:

upon an Interrogating-Call State Control Function (I-CSCF) receiving a call setup request for the subscriber, the I-CSCF forwards a route request to a User Mobility Server (UMS) and receives a home address of the subscriber from the UMS;

forwarding the call setup request from the I-CSCF to a home agent at the home address of the subscriber;

forwarding the call setup request from the home agent to the subscriber; and

forwarding an address update from the subscriber to the I-CSCF.

26.   (Withdrawn) The program storage device of claim 25, wherein forwarding the request to the UMS comprises forwarding an indication to the UMS that the S-CSCF fails to have a Care Of Address of the subscriber.

27.   (Withdrawn) The program storage device of claim 25, wherein forwarding the call setup request from the home agent to the subscriber comprises forwarding the call setup request to a Care Of Address of the subscriber.

28.   (Withdrawn) The program storage device of claim 26, wherein forwarding the call setup request from the home agent to the subscriber comprises forwarding the call setup request to a Care Of Address of the subscriber.

29.   (Currently Amended) A system comprising:

a first ~~forwarding~~ receiving unit configured to ~~forward~~ receive a registration request from a subscriber of a mobile network ~~to~~ at a Serving-Call State Control Function (S-CSCF), wherein the registration request comprises a ~~including the subscriber's~~ Transport Address (TA) ~~which is a current Care of Address~~ of the subscriber;

a ~~second~~ forwarding unit configured to forward the TA and an address of the S-CSCF ~~a location update of the subscriber in the mobile network~~ from the S-CSCF to a Home Subscription Server (HSS) for storage; and ~~including the subscriber's TA and an address of the S-CSCF; and~~

a second receiving unit configured to receive the TA from the HSS in response to a loss of the TA by the S-CSCF.

~~a memory configured to store data regarding the location update including the subscriber's TA in the HSS so as to be protected against loss of the location information of the subscriber in the mobile network.~~

30.   (Withdrawn) A system comprising:

a first forwarding unit configured to forward a route request, upon a Serving-Call State Control Function (S-CSCF) receiving a call setup request for a subscriber of a mobile

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network from an Interrogating-Call State Control Function (I-CSCF), from the S-CSCF to a User Mobility Server (UMS);

a receiving unit configured to receive a home address from the UMS;

a second forwarding unit configured to forward the call setup request from the S-CSCF to a home agent at the home address of the subscriber;

a third forwarding unit configured to forward the call setup request from the home agent to the subscriber; and

a fourth forwarding unit configured to forward an address update from the subscriber to the S-CSCF.

31.   (New) The method of Claim 1, wherein the TA of the subscriber comprises a current Care of Address of the subscriber.

32.   (New) The system of Claim 29, wherein the first receiving unit comprises the second receiving unit.